

Abstracts

Some General Observations on the Tuning Characteristics of "Electromechanically" Tuned Gunn Oscillators (Short Papers)

J.S. Joshi and J.A.F. Cornick. "Some General Observations on the Tuning Characteristics of "Electromechanically" Tuned Gunn Oscillators (Short Papers)." 1973 Transactions on Microwave Theory and Techniques 21.9 (Sep. 1973 [T-MTT]): 582-586.

The nature of mechanical and electronic (varactor) tuning characteristics of "electromechanically" tuned Gunn oscillators in waveguide and coaxial configurations has been investigated and their interactions studied. Some general conclusions about the family of electromechanically tuned Gunn oscillators have been drawn and their limitations pointed out. It is suggested that these limitations are imposed by a distributed circuit on a point source.

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